Reply to Office Action of December 23, 2008

Docket No.: 1020.P16469 Examiner: Shah, Paras D.

TC/A.U. 2626

## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims:**

1. (Currently Amended) A method, comprising:

receiving a plurality of packets with audio information;

determining by a voice activity detector whether said audio information represents voice information;

buffering said audio information in a jitter buffer after during said determination; measuring an average packet delay time by said jitter buffer; and

sending adding said average packet delay time to each of the plurality of packets prior to sending the plurality of packets to said a voice codec activity detector;

wherein said determining comprises:

receiving frames of audio information at a voice activity detector;

measuring at least one characteristic of said frames;

determining a start of voice information based on said measurements;

determining an end to said voice information based on said measurements and a delay interval; and

adjusting said delay interval to correspond to an average packet delay time.

- 2. (Original) The method of claim 1, further comprising buffering a portion of said audio information in a pre-buffer for a predetermined time interval prior to said determining.
- 3. (Previously Presented) The method of claim 2, further comprising sending said audio information stored in said pre-buffer and said jitter buffer to an endpoint based on said determination.

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- 4. (Canceled)
- 5. (Previously Presented) The method of claim 1, wherein said characteristic comprises an estimate of an energy level for said frame.
- 6. (Canceled)
- 7. (Canceled)
- 8. (Original) The method of claim 1, wherein said receiving comprises: retrieving a frame of audio information from said packets; receiving an echo cancellation reference signal; canceling echo from said frame of audio information; and sending said frame of audio information to a voice activity detector.
- 9. (Currently Amended) A system, comprising: an antenna;
  - a receiver connected to said antenna to receive a frame of information;
  - a voice activity detector to detect voice information in said frame; and
- a jitter buffer to buffer said information after during said detection by said voice activity detector and to measure an average packet delay time, said jitter buffer to send add said average packet delay time to the information prior to sending the information to a said voice codec activity detector;

wherein said voice activity detector receives frames of audio information, measures at least one characteristic of said frames, determines a start of voice information based on said measurements, determines an end to said voice information based on said measurements and a delay interval and adjusts said delay interval to correspond to said average packet delay time.

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10. (Original) The system of claim 9, further comprising an echo canceller connected to said receiver to cancel echo.

11. (Original) The system of claim 10, further comprising a transmitter to provide an

echo cancellation reference signal to said echo canceller.

12. (Original) The system of claim 9, further comprising a pre-buffer to store pre-

threshold speech during said detection by said voice activity detector.

13. (Original) The system of claim 9, where said voice activity detector further

comprises:

an estimator to estimate energy level values; and

a voice classification module connected to said estimator to classify information

for said frame.

14. (Currently Amended) An article comprising:

a computer-readable storage medium;

said computer-readable storage medium including stored instructions that, when

executed by a processor, result in receiving a plurality of packets with audio information,

determining by a voice activity detector whether said audio information represents voice

information, buffering said audio information in a jitter buffer after during said

determination, measuring an average packet delay time by said jitter buffer, and sending

adding said average packet delay time to each of the plurality of packets prior to sending

the plurality of packets to said a voice codec activity detector; wherein said determining

comprises receiving frames of audio information at a voice activity detector, measuring at

least one characteristic of said frames, determining a start of voice information based on

said measurements, determining an end to said voice information based on said

measurements and a delay interval and adjusting said delay interval to correspond to an

average packet delay time.

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15. (Original) The article of claim 14, wherein the stored instructions, when executed by a processor, further results in buffering a portion of said audio information in a prebuffer for a predetermined time interval prior to said determining.

16. (Original) The article of claim 14, wherein the stored instructions, when executed by a processor, further results in sending said audio information stored in said pre-buffer and said jitter buffer to an endpoint based on said determination.

- 17. (Canceled)
- 18. (Canceled)
- 19. (Canceled)
- 20. (Original) The article of claim 14, wherein the stored instructions, when executed by a processor, further results in said receiving by retrieving a frame of audio information from said packets, receiving an echo cancellation reference signal, canceling echo from said frame of audio information, and sending said frame of audio information to a voice activity detector.